

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
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Application Serial Number: 10/542,128
Source: PCT
Date Processed by STIC: 02/07/2006

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PCT

RAW SEQUENCE LISTING

DATE: 02/07/2006

PATENT APPLICATION: US/10/542,128

TIME: 13:38:43

Input Set : A:\00530-115US1.txt

Output Set : N:\CRF4\02012006\J542128.raw

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4 <110> APPLICANT: Chen, Lan Bo
5   Auclair, Daniel
7 <120> TITLE OF INVENTION: MRP3 GENES AND USES THEREOF
10 <130> FILE REFERENCE: 00530-115US1
12 <140> CURRENT APPLICATION NUMBER: US 10/542,128
13 <141> CURRENT FILING DATE: 2005-07-13
15 <150> PRIOR APPLICATION NUMBER: PCT/US2004/005335
16 <151> PRIOR FILING DATE: 2004-02-24
18 <150> PRIOR APPLICATION NUMBER: US 60/450,071
19 <151> PRIOR FILING DATE: 2003-02-25
21 <160> NUMBER OF SEQ ID NOS: 7
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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26 <211> LENGTH: 2242
27 <212> TYPE: DNA
28 <213> ORGANISM: Homo sapiens
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33 ctggcatacc gctcgctcac gttcacatgc ttgcagagaa cgtacacaga cgaggtgact      180
34 gaagcctggg ctgcaggtca ggcaggtcat cctgatgccg gcttgtagt tcaaagagtc      240
35 acctaaactg aaacggaatt tttgtaaaag agatcacatt gttaataacct caggtgggctc      300
36 aaaccttgaa cgcgttgcca aacaaaaaac aatccagaaa ggtcaatttt cacaaaggtc      360
37 agtgtgcaca tgaatctact tgttaaaatg tacatttga ttcagtagac ctaggatggg      420
38 gctcaggact ctgcactttg atcaagactc cttggtagcg aaagtgtggc ccatgggcca      480
39 gttgcatcac catcctctgg gagcttgta gaaatgaaga atctcaggtt ccaagtccca      540
40 cctcagacta cagaatccgg cgttgcatct taacaagatt ctctgggaag tcttatacat      600
41 attaaagttg gagaaacaga aaccaaggcg aggtggcctc tgggtaagtc tgcactgtca      660
42 ctgccccagg gagtcattcg ggattacagc cccagctggc atgcctgtgg gcttgatcca      720
43 ggccacactg ggtcatccat gggctaggat cccatggatg ggcacatgat ccaggagtct      780
44 gaactctctc caaagccatt acggtgggga ggggagatcg ccatacgtat aacccagtc      840
45 ctttgccag gtgacatttg ctctgaactg gatgatacga atgatgtcag atttggaatc      900
46 taacatcgtg gctgtggaga ggggtcaagg gtactccaag acagagacag aggcgccttg      960
47 ggtggtggaa ggcagccgcc ctcccgaagg ttggcccca cgtggggagg tggagtccg      1020
48 gaattattct gtgcgtacc ggccgggctc agacctggtg ctgagagacc tgagtctgca      1080
49 tgtgcacggg ggcgagaagg tggggatcgt gggccgact ggggctggca agtcttccat      1140
50 gaccctttgc ctgttcgca tccctggaggc ggcaaagggt gaaatccgca ttgatggcct      1200
51 caatgtggca gacatcgcc tccatgacct gcgctctcag ctgacctca tcccgcagga      1260
52 ccccatctg ttctcgggga ccctgcgcat gaacctggac cccttcggca gctactcaga      1320
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54 ggcaggcctg gacttccagt gctcagaggg cggggagaat ctcagcgtgg gccagaggca      1440
55 gctcgtgtgc ctggcccgag ccctgctccg caagagccgc atcctggttt tagacgaggc      1500
56 cacagctgcc atcgacctgg agactgacaa cctcatccag gctaccatcc gcacccagtt      1560

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57 tgatacctgc actgtcctga ccacgcaca ccggcttaac actatcatgg actacaccag 1620
58 ggtcctggtc ctggacaaag gagtagtagc tgaatttgat tctccagcca acctcattgc 1680
59 agctagaggc atcttctacg ggatggccag agatgctgga cttgcctaaa atatattcct 1740
60 gagatttcct cctggccttt cctggttttc atcaggaagg aaatgacacc aaatatgtcc 1800
61 gcagaatgga cttgatagca aacactgggg gcaccttaag attttgcacc tgtaaagtgc 1860
62 cttacagggt aactgtgctg aatgcttttag atgaggaaat gatccccaag tggatgaatga 1920
63 cacgcctaag gtcacagcta gtttgagcca gttagactag tccccgggtct cccgattccc 1980
64 aactgagtgat tatttgcaca ctgcactgtt ttcaaataac gatttttatga aatgacctct 2040
65 gtcctccctc tgatttttca tattttctaa agtttcgttt ctgtttttta ataaaaagct 2100
66 ttttctctct ggaacagaag acagctgctg ggtaggcca cccctaggaa ctgagtcctg 2160
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73 <213> ORGANISM: Homo sapiens
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78 Arg Val Lys Glu Tyr Ser Lys Thr Glu Thr Glu Ala Pro Trp Val Val
79 20 25 30
80 Glu Gly Ser Arg Pro Pro Glu Gly Trp Pro Pro Arg Gly Glu Val Glu
81 35 40 45
82 Phe Arg Asn Tyr Ser Val Arg Tyr Arg Pro Gly Leu Asp Leu Val Leu
83 50 55 60
84 Arg Asp Leu Ser Leu His Val His Gly Gly Glu Lys Val Gly Ile Val
85 65 70 75 80
86 Gly Arg Thr Gly Ala Gly Lys Ser Ser Met Thr Leu Cys Leu Phe Arg
87 85 90 95
88 Ile Leu Glu Ala Ala Lys Gly Glu Ile Arg Ile Asp Gly Leu Asn Val
89 100 105 110
90 Ala Asp Ile Gly Leu His Asp Leu Arg Ser Gln Leu Thr Ile Ile Pro
91 115 120 125
92 Gln Asp Pro Ile Leu Phe Ser Gly Thr Leu Arg Met Asn Leu Asp Pro
93 130 135 140
94 Phe Gly Ser Tyr Ser Glu Glu Asp Ile Trp Trp Ala Leu Glu Leu Ser
95 145 150 155 160
96 His Leu His Thr Phe Val Ser Ser Gln Pro Ala Gly Leu Asp Phe Gln
97 165 170 175
98 Cys Ser Glu Gly Gly Glu Asn Leu Ser Val Gly Gln Arg Gln Leu Val
99 180 185 190
100 Cys Leu Ala Arg Ala Leu Leu Arg Lys Ser Arg Ile Leu Val Leu Asp
101 195 200 205
102 Glu Ala Thr Ala Ala Ile Asp Leu Glu Thr Asp Asn Leu Ile Gln Ala
103 210 215 220
104 Thr Ile Arg Thr Gln Phe Asp Thr Cys Thr Val Leu Thr Ile Ala His
105 225 230 235 240
106 Arg Leu Asn Thr Ile Met Asp Tyr Thr Arg Val Leu Val Leu Asp Lys
107 245 250 255

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108 Gly Val Val Ala Glu Phe Asp Ser Pro Ala Asn Leu Ile Ala Ala Arg
109                               260                265                270
110 Gly Ile Phe Tyr Gly Met Ala Arg Asp Ala Gly Leu Ala
111               275                   280                   285
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114 <211> LENGTH: 544
115 <212> TYPE: DNA
116 <213> ORGANISM: Homo sapiens
118 <400> SEQUENCE: 3
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121 aggcctgagca ggtctttgtg gctggagaaa caaaatgttt taaaagccca gaagaggac      180
122 tgggtgcagt ggctcacacc taatcccagc actttgggag gcggagggtg gcggatcacc      240
123 tgaggccagg agctccagaa cagcctggcc aacatggtga aaccctatct ctacttaa      300
124 acaaaaatta gccagccgtg gtggcgggca tctgtaatcc cagctactca ggaggctgag      360
125 gcaggagaat agcttgaacc tgggaggcag aggttgcagt gagccaagat cagccactg      420
126 cactccagcc tgggtgacag agcgagactc catctcaaga gagaaaaaaa aaaagtcag      480
127 aggagtttct ttgctttggg gtgttgtaga aatgatcttg gagcttagcc ccaaaggaca      540
128 agga                                         544
130 <210> SEQ ID NO: 4
131 <211> LENGTH: 786
132 <212> TYPE: DNA
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135 <400> SEQUENCE: 4
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138 aaggactgtg agaaaaaaaaa aaaaagaaaa aaatcattga gttgacaagt ttataaccac      180
139 acaccatggc tggatgttcc tactttcctt ccccaagaag cccatgttct cacattcaga      240
140 aagaattctg ttgaataatc tctgtcctca aacccacat ctctctcctg ctcagccgtc      300
141 gaccttgccct gacacctcac agttcaactg gagagacccc catcagcagg agattgtgct      360
142 gcaggctgag caggctcttg tggctggaga aacaaaatgt tttaaaagcc cagaagaggg      420
143 actgggtgca gtggctcaca cctaataccca gcactttggg aggcggagggt gggcggatca      480
144 cctgaggcca ggagctccag aacagcctgg ccaacatggt gaaaccctat ctctacttaa      540
145 atacaaaaat tagccagccg tgggtggcggg catctgtaat ccagctact caggaggctg      600
146 aggcaggaga atagcttgaa cctgggaggg agaggttgca gtgagccaag atcacgccac      660
147 tgcactccag cctgggtgac agagcgagac tccatctcaa gagagaaaaa aaaaaagtcc      720
148 agaggagttt tcttgctttg ggggtgtgta gaaatgatct tggagcttag ccccaaagga      780
149 caagga                                         786
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152 <211> LENGTH: 263
153 <212> TYPE: DNA
154 <213> ORGANISM: Homo sapiens
156 <400> SEQUENCE: 5
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158 cgtgatcttg gctcactgca acctctgcct ccaggttca agctattctc ctgcctcagc      120
159 ctctgagta gctgggatta cagatgcccc ccaccacggc tggctaattt ttgtatttaa      180
160 gtagagatag ggtttcacca tgttgccag gctgttctgg agctcctggc ctcagggtgat      240
161 ccgcccacct ccgcctccca aag                                         263
163 <210> SEQ ID NO: 6

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164 <211> LENGTH: 20
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Primer
171 <400> SEQUENCE: 6
172 atgaagggcc tggaccccag 20
174 <210> SEQ ID NO: 7
175 <211> LENGTH: 20
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Primer
182 <400> SEQUENCE: 7
183 tccttgctaa gctccaagat 20

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/542,128

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Input Set : A:\00530-115US1.txt

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